

# PATENT ABSTRACTS OF JAPAN

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## (54) POSITION DETECTION SYSTEM OF DATA CARRIER

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To make analyzable and administratable the production process flexibly in real time with a data carrier capable of being called up, accessing and switching function modes anytime and anywhere according to a variety of placing environment of the production process, and a communication system capable of detecting the position.

**SOLUTION:** As a data carrier containing two systems of communication means of a radio communication and far infrared communication, a radio moving station 8 are prepared. To radio fixed stations 1 to 7 side, a function for measuring the distance to the oscillation source of the wave is given other than data communication, which are prepared at least 3 sets and placed in matrix as uniformly as possible and connected with cable communication to a center system computer 12. Data are collected in such mode as continuous access, intermittent access or random access and controlled. By collecting the distance data to the fixed stations at 3 locations from the oscillation source, the position of the oscillation source is calculated and displayed.

